COMPLETE

 DRILL PIPE PERFORMANCE DATA SHEET

 Pipe Size: 5.000 in (127mm)
 Grade:
 \$135
 Range:

TUBULAR PROD	UCT	's		- Pipe	e Weight: 19.5lb/ft (2	9.02kg/m)	Upset: IE	U Connection:	530 DUO
Pipe								MET	RIC
							NEW	API PREMIUM	
Pipe size	in	5.000	mm	127.0	OD	mm	127.0	123.3	
Pipe weight	lb/ft	19.50	kg/m	29.02	Thickness	mm	9.2	7.4	
Upset Type		IEU			X-Sec Area	cm ²	34.0	26.8	
Tube grade		S135		S	ection Modulus	cm ³	93.5	73.4	
Range		2	Polar Section Modulus		cm ³	187.1	146.7		
Tube Yield	МРа	931	Tensile Yield		kdaN	317	250		
ID	тт	108.6			Torsional Yield	N-m	100,500	78,800	
				80%	6 Torsional Yield	N-m	80,400	63,000	
				Interna	al Pressure Yield	МРа	117.9	107.6	
					Collapse Yield	МРа	108.2	68.9	
					D/t		13.81	16.77	
			Connec	tion/Tube	Torsional Ratio		1.126		
Tool Joint								MET	RIC
							NEW		
Connection Type		530 DUO			OD	mm	165.1		
Material Yield Strength	МРа	896		Tensil	e Yield Strength	kdaN	572		
OD	mm	165.1		Torsiona	al Yield Strength	N-m	113,100		
ID	mm	95.3	Recom	nmended	Makeup Torque	N-m	67,900		
Pin Shoulder Angle	deg	18	Ν	/laximum	Makeup Torque	N-m	73,500		
Pin Tool Joint Length	mm	356							
Box Tool Joint Length	mm	356							
Drill Pipe Assembly								MET	RIC

Shoulder-Shoulder Length	т	9.60	
Adjusted Weight	kg/m	34.26	
Closed End Displacement	L/m	13.38	
Open End Displacement	L/m	4.37	
Fluid Capacity	L/m	9.01	
Drift Size	mm	92.1	

The information contained in this data sheet and other attached documentation is for reference use only. It is not intended to imply any explicit recommendation regarding processes, procedures, or performance of the end product. It is the responsibility of the end user to verify and determine the appropriate use of the technical information - no expressed or implied warranty by Complete Tubular Products is intended.

Calculations are based on uniform wall thickness and outside diameter – no safety factor has been applied. The information provided for inspection classes is based on uniform wear and is not intended to recommend or confirm operational limits of any used product. It is recommended that drilling torque not exceed 80% of the makeup torque, however it is the responsibility of the end user to determine the acceptable use of the end product including appropriate performance ratings and safety factors where applicable. All connection torque calculations have been performed using a thread compound friction factor of 1.0. Complete Tubular Products does not endorse any specific thread compound and waives all responsibility in determining appropriate makeup torque values for any specific drilling circumstance. Modifying makeup torque values for any reason shall be done at the end users discretion and risk.

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